

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

UNSTARRED QUESTION NO:4830
ANSWERED ON:24.04.2003
THERMAL AND HYDEL POWER GENERATION
ANANTRAO GUDHE

Will the Minister of POWER be pleased to state:

- (a) the details of the present ratio of thermal and hydro power generated in the country;
- (b) whether the Government have taken special action to balance the ratio of power generated in thermal and hydro sector during the next Tenth Five Year Plan and investment proposed with new strategy of operation involving active cooperation at the State Governments and neighbouring countries;
- (c) if so, the details of review of ongoing projects in thermal/hydro sector in terms of set targets; and
- (d) the fresh policy initiatives taken/proposed to attract private and foreign direct investment in Power Sector?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA)

- (a) : The ratio of thermal and hydro power in the total installed capacity in the country as on 31.03.2003 was 71% and 25% respectively.
- (b) : A capacity addition target of 41,110 MW comprising 14393 MW Hydro, 25,417 MW Thermal, and 1,300 MW Nuclear has been fixed for 10th Plan. Effective mechanism has been put in place to ensure timely completion of the projects and achievement of the target during 10th Plan. In addition, power will be imported from Tala Hydro Electric Project (1020 MW) in Bhutan which is also expected to be commissioned in the 10th Plan. With this accelerated hydro power development the declining share of hydro power will be reversed.
- (c) : Details of ongoing Hydro Electric and Thermal Projects are given in Annexure-I & II.
- (d) : The policy announced in 1991 to encourage greater private sector participation in the power sector has been reviewed from time to time with a view to streamline the procedures for speedy development of the schemes being developed in private sector. Some of the recent policy initiatives taken in this direction are indicated below :-
- i. Power Generation Schemes by Generating Companies having a capital cost of upto Rs.2500 crores have been exempted from the requirement of Techno- Economic Clearance of the Central Electricity Authority wherever the tariff is to be approved by the Central Electricity Regulatory Commission or any of the State Electricity Regulatory Commissions.
 - ii. Automatic approval (RBI route) for 100% foreign equity without any upper ceiling on the quantum of investment.
 - iii. The excise duty/counter veiling duty on naphtha as well as Low Sulphur Heavy Stock and other specified residual fuel oils used as primary fuel for power generation, has been removed.
 - iv. With the ongoing reforms and restructuring of the power sector, the confidence of investors/IPPs in power sector is expected to improve and the need for security (escrow cover and guarantees, etc.) for their investments may no longer be necessary.

ANNEXURE I

ANNEXURE REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO.4830 TO BE ANSWERED IN THE LOK SABHA ON 24.04.2003.

Ongoing H.E. Projects in the country

(Excluding Renewables under MNES) As on 15.04.03

Sl. No.	Name of Scheme Execution (MW)	Sector Latest	I.C. No.xMW	Cap. Under	Comm. Sch.	Remarks
Jammu & Kashmir						
1	Dulhaati (NHPC)	Central	3x130	390.00	2003-04	
2	Bagliahar-I	State	3x150	450.00	2004-05	
3	Bagliahar-II	State	3x150	450.00	11th Plan	

4	Sawalkot	State	3x200	600.00	2009-10	
Himachal Pradesh						
5	Chamera St. II (NHPC)	Central	3x100	300.00	2003-04	
6	Parbati St. (NHPC)	Central	4X200	800.00	2009-10	
7	Nathpa Jhakri (NHPC)	Central	6x250	1500.00	2003-04	
8	Kol Dam (NTPC)	Central	4x200	800.00	2008-10	
9	Larji	State	3x42	126.00	2004-05	
10	Kashang	State	2x33	66.00	2006-07	
11	Uhi-III	State	2x50	100.00	11th Plan	
12	Baspa St.II	Private	3x100	100.00	2003-01	U-1 & 2 rolled
13	Dhamwari Sunda	Private	2x35	70.00	2006-07	Financial Closure
Uttaranchal						
14	Tehri St.I (THDC)	Central	4x250	1000.00	2003-04	
15	Koteshwar (THDC)	Central	4x100	400.00	2005-06	
16	Dhauliganga (NHPC)	Central	4x70	280.00	2004-05	
17	Maneri Bhali-II	State	4x76	304.00	2005-06	
18	Vishnu Prayag	Private	4x100	400.00	2006-07	
Madhya Pradesh						
19	Indira Sagar (NHDC)	Central	8x125	1000.00	2003-06	Joint Venture
20	Madhikheda	State	2x20	40.00	2004-05	
21	Bansagar Tons PH IV	State	2x10	20.00	2004-05	
Gujarat						
22	Sardar Sarovar	State	6x200+5x50	1450.00	2002-07	U-2& 3 of CHPH rolled (Test spun)
Maharashtra						
23	Ghatghar PSS	State	2x125	250.00	2004-05	
Andhra Pradesh						
24	Priyadarshni Jurala	State	6x39.1	235.00	2006-07	(Two Units) & four Units in 1th Plan
25	Srisaillam LBPH	State	6x150	150.00	2000-04	U-1 to 5 Commnd.
Karnataka						
26	Almatti Dam	State	1x15+5x55	290.00	2004-06	
Tamil Nadu						
27	Pykara Ultimate	State	3x50	150.00	2003-05	
28	Bhawani Barrage I	State	2x15	30.00	2004-05	
	II	2x15	30.00	2005-06		
	III	2x15	30.00	2005-06		
West Bengal						
29	Purulia PSS (NHPC)	Central	4x225	900.00	2006-07	Joint Venture
Assam						
30	Kopili St. II (NEEPCO)	Central	1x25	25.00	2003-04	
31	Karbi Langpi (Lower Borpani)	State	2x50	100.00	2004-05	

Sikkim

32	Teesta St. V (NHPC)	Central	3x170	510.00	2006-07
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Meghalaya

33	Myntdu	State	2x42	84.00	2006-07
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Mizoram

34	Tuirial (NEEPCO)	Central	2x30	60.00	2006-07
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Total	13390.00
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ANNEXURE-II

ANNEXURE REFERRED TO IN REPLY TO PART(c) OF UNSTARRED QUESTION NO. 4830 TO BE ANSWERED IN THE LOK SABHA ON 24.04.2003.

10th PLAN THERMAL POWR PROJECTS WHICH ARE UNDER CONSTRUCTION

Sector/	Project	Impl.	Unit	Capacity	Comm.	Schedule	Est.	Appd.	Project
State Name	Agency No.	(MW)	Target	Act/Ant	Cost	(Rs.	Capacity		
	in Lakhs)	(MW)							

Central Sector

A.P.	Ramagundam	NTPC	U-7	500	Aug-2005	Aug-2005	181846	1X500
STPS-III								
M.P	Vindhyachal	NTPC	U-09	500	Aug-2006	Jul-2006	412500	2X500
TPS-III								
Orissa	Talcher	NTPC	U-3	500	Nov-2003	04.01.03 (A)	6685499	4X500
STPS-II								
			U-4	500	Aug-2004	Dec.2003		
			U-5	500	May-2005	Sep.2004		
			U-6	500	Feb-2006	Mar-2005		
T.N.	Neyveli	NLC	U-1	210	Jun-2002	21.10.02 (A)	159058	2X210
TPS-I								
Exp.								
			U-2	210	Dec-2002	Jul-2003		
U.P	Rihand	NTPC	U-3	500	Aug-2005	Aug-2005	404949	2X500
STPS-II								
			U-4	500	May-2006	May-2006		
W.B	Mejia	DVC	U-4	210	Jul-2004	Jul-2004	79782	1X210
TPS								
Ext.4								
Sub-Total:				4630				

State Sector:

Gujarat	Akrimota	GMDCL	U-1	125	Mar-2003	Jun-2004	133842	2X125
TPP								
			U-2	125	May-2003	Sep-2004		
	Dhuvaran	GSECL	GT	67.85	Apr-2003	Apr-2003	31006	106.617
CCPP								
			ST	38.77	Jun-2003	Jun-2003		
Haryana	TDL	HPGCL	U-7	250	Sep-2004	Sep-2004	178536	2X250
(Panipat)								
TPS								
Mizoram	Bairabi	Power	DGs	22.92	Jul-2003	Jan-2004	8595	4X5.73
DGPP								
Deptt.								
Govt								
of								
Mizoram								
M.P	Birsinghpur	MPEB	U-1	500	Sep-2006	Sep-2006	209375	1X500
TPS								
Ext.								
Rajastha	Kota	RRVUNL	U-6	195	Jul-2003	Jul-2003	63478	195

	TPS-IV Suratga rh TPS- III	U-5	250	Jun-2003	Jun-2003	75274	1X250	
T.N	Kuttalam CCPM	TNEB	GT	64	Sep-2003	Sep-2003	31111	100
		ST	36	Oct-2003	Oct-2003			
U.P	Parichha TPS Extn.	UPRV UNL	ST	210	Sep-2006	Jan-2005	170300	2X210
		Sub- Total:		2134.54				
Private Sector								
A.P	Ramagun dam TPP	BPL Power Prproject	U-1	260	May-2005	May-2005	238906	2X260
			U-2	260	Dec-2005	Dec-2005		
Maharash tra	Dabhol CCPP-II	Dhabol Power Company	GTs	916	Mar-2003	Sep-2004	560400	1444
			STs	528	Sep-2004			
		Sub- Total:		1964.00				
Total:		8728.54						

(A) Indicates actual data of synchronization of the Unit.